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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

EPA Region 5 Records Ctr.



222404

Date: DEC 19 2002

Subject: Review of Region 5 Data for **Himco Dump (Elkhart, IN)**

From: **Marjorie Mattox, Chemist, ESAT/IITRI**

Contractor to Region 5 Central Regional Laboratory

Submitted to EPA: *Marjorie Mattox 12-19-02*

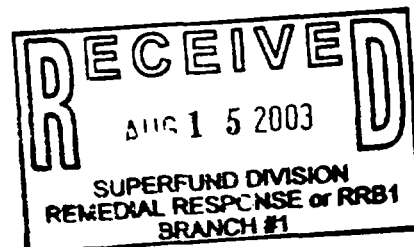
To:

Attached are the results for: **Himco Dump (Elkhart, IN)**

CRL data set number: **E2K0101**

Samples analyzed for: **Mercury**

Results are reported for sample designations: **E2K0101-02, -04, -05, -06**



Sylvia Griffin
Data Management Coordinator and Date Received

DEC 19 2002

Date Transmitted: DEC 19 2002

Please have the U.S. EPA Project Manager/Officer call the CRL Sample Coordinator at 3-7444 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
ML-10C

_____/_____/_____
Received by and Date

Comments:

Method: 245.2*DNS (AIG044 dated 01/23/01)

TDF: 5-02-081

Analyst: M. Mattox *M. Mattox*

JOB: 249-0-1476-102-054-001

Date: December 5, 2002 *12-5-02*

Task Order: 05-0-02

NARRATIVE

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Four (4) water samples from the Himco Dump site (work order E2K0101) were collected on October 31, 2002. The samples were received properly preserved on November 1, 2002.

<u>LIMS ID</u>	<u>CRL ID</u>	<u>Station ID</u>
E2K0101-02	2003SY01R02	Pump Blank
E2K0101-04	2003SY01S04	WT116A
E2K0101-05	2003SY01D04	WT116A
E2K0101-06	2003SY01S05	WT115A

All samples were analyzed within the 28 day holding time limit. Samples were initially digested on November 25, 2002 with work order E2J3101. Problems with the instrument due to a previous analysis with high mercury levels prevented the completion of analysis on November 26, 2002. The samples were redigested and reanalyzed on November 27, 2002. All QC was acceptable, therefore all results are acceptable.

The samples were digested by adding the acid mixture, potassium permanganate, and potassium persulfate manually. The samples were then covered during the digestion. Digestion was done by heating the batch at 95 degrees in a water bath for two hours. This procedure was done in accordance with an SOP modification dated June 26, 2002. The hydroxylamine solution was manually added prior to analysis.

Details of this analysis can be found in the EPA instrument logbook and in the IITRI logbook number C31626.

Water samples E2K0101-04/05 appear to be a field duplicate pair, the two samples show good correlation.

The narrative, spreadsheet, and QC summary are stored in file folder:

r5crl\vol2\iitri-aig\mmattox\PSAMercury\Hg Water\E2K0101

Analytical final results were stored in the following database file:

r5crl\vol2\iitri-aig\mmattox\PSAMercury\Hg Water\E2K0101\112702 (Each analytical run is stored as a text file directly from the instrument and also as a Lotus spreadsheet).

Results have been entered into RLIMS and matrix and digestion QC are reported on RLIMS generated reports. Instrument QC are reported in a separate WordPerfect report.



IIT RESEARCH INSTITUTE

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Superfund, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project: Himco Dump
Project Number: 2003SY01
Project Manager: Howard Pham

Reported:
Dec-17-02 16:53

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
2003SY01R02-Pump Blank	E2K0101-02	Water	Oct-31-02 11:50	Nov-01-02 11:27
2003SY01S04-WT116A	E2K0101-04	Water	Oct-31-02 13:52	Nov-01-02 11:27
2003SY01D04-WT116A	E2K0101-05	Water	Oct-31-02 13:52	Nov-01-02 11:27
2003SY01S05-WT115A	E2K0101-06	Water	Oct-31-02 15:00	Nov-01-02 11:27

M. Mattox
Margie Mattox, Chemist

12-17-02

Report Name: E2K0101

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Superfund, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project: Himco Dump
Project Number: 2003SY01
Project Manager: Howard Pham

Reported:
Dec-17-02 16:53

Cold Vapor Analyses
IITRI - ESAT Contract

2003SY01R02-Pump Blank (E2K0101-02RE1) Water Sampled: Oct-31-02 11:50 Received: Nov-01-02 11:27

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Mercury	U		0.1	0.5	ug/L	1	EK22702	Nov-27-0	Nov-27-02

2003SY01S04-WT116A (E2K0101-04RE1) Water Sampled: Oct-31-02 13:52 Received: Nov-01-02 11:27

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Mercury	U		0.1	0.5	ug/L	1	EK22702	Nov-27-0	Nov-27-02

2003SY01D04-WT116A (E2K0101-05RE1) Water Sampled: Oct-31-02 13:52 Received: Nov-01-02 11:27

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Mercury	U		0.1	0.5	ug/L	1	EK22702	Nov-27-0	Nov-27-02

2003SY01S05-WT115A (E2K0101-06RE1) Water Sampled: Oct-31-02 15:00 Received: Nov-01-02 11:27

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Mercury	U		0.1	0.5	ug/L	1	EK22702	Nov-27-0	Nov-27-02

M. Mattox
Margie Mattox, Chemist

12-17-02

Report Name: E2K0101

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Chicago IL, 60604

Project: Himco Dump
Project Number: 2003SY01
Project Manager: Howard Pham

Reported:
Dec-17-02 16:53

Notes and Definitions

U Not Detected
NR Not Reported

M. Mattox 12-17-02
Margie Mattox, Chemist

Report Name: E2K0101
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